

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628947

Luminaire Tested: GWS-SA1A-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2423.1 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

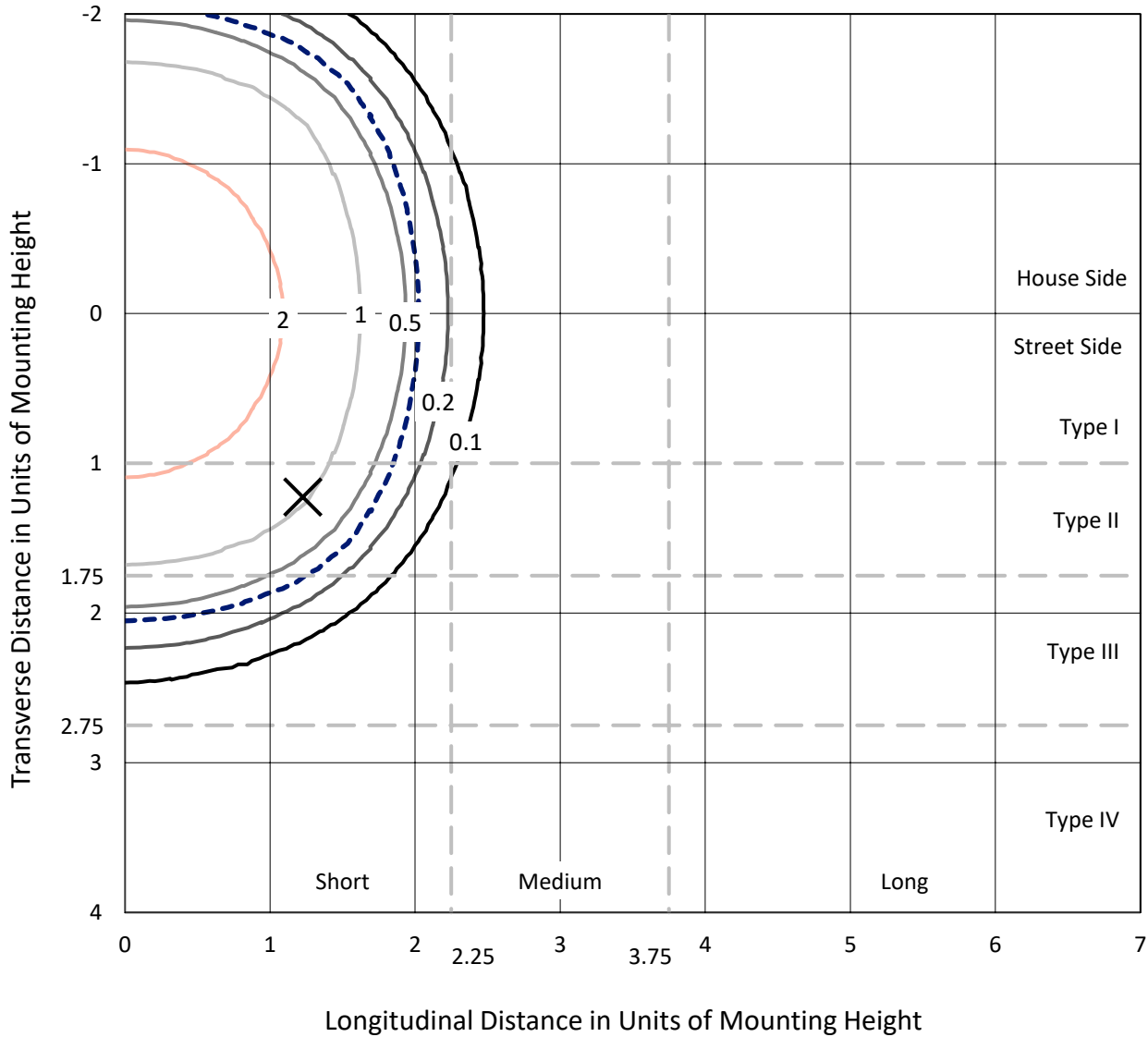
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

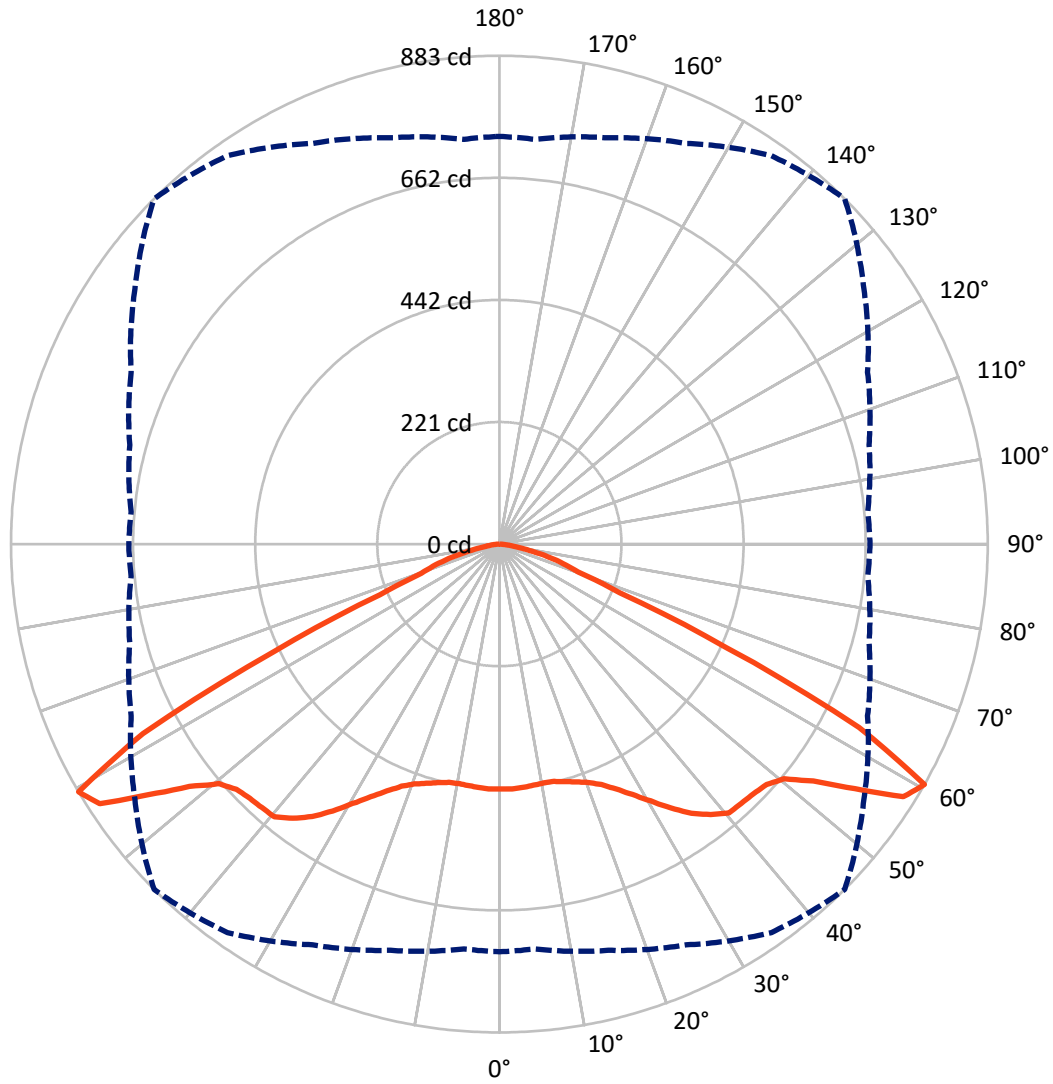
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.6	0.0	1211.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1211.6	0.0	1211.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2423.1	0.0	2423.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.7
10°-20°	126.3	5.2
20°-30°	223.5	9.2
30°-40°	359.8	14.8
40°-50°	494.5	20.4
50°-60°	659.0	27.2
60°-70°	410.7	17.0
70°-80°	94.5	3.9
80°-90°	12.8	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2423.1	100.0
0°-180°	2423.1	100.0

Coefficient of Utilization



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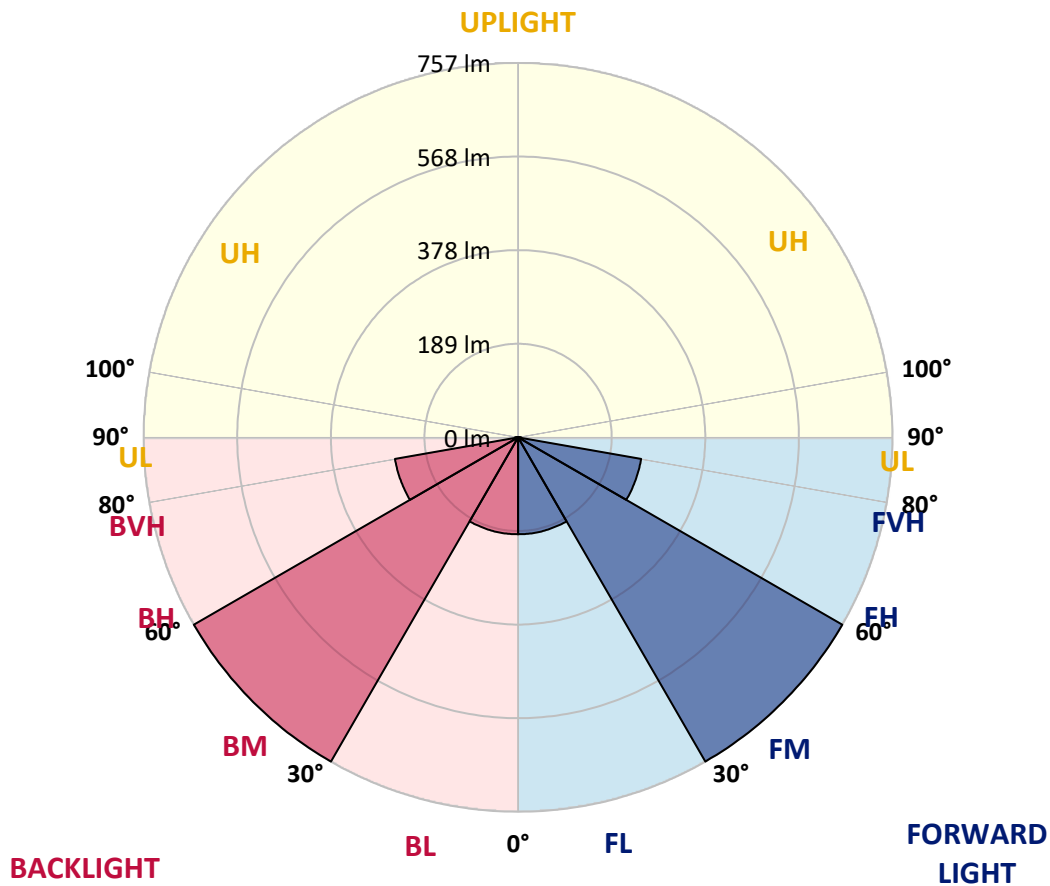
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.9	8.1			
FM (30°-60°)	756.7	31.2			
FH (60°-80°)	252.6	10.4			G0/660
FVH (80°-90°)	6.4	0.3			G0/10
BL (0°-30°)	195.9	8.1	B1/500		
BM (30°-60°)	756.7	31.2	B1/1000		
BH (60°-80°)	252.6	10.4	B1/500		G0/660
BVH (80°-90°)	6.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8
2.5°	439.7	440.1	441.0	441.6	442.4	443.2	443.6	442.8	442.4	440.8	442.6
5°	440.1	440.6	441.2	441.2	441.4	442.0	442.0	441.0	439.9	438.1	440.1
7.5°	439.5	439.9	440.1	439.9	440.1	440.3	439.9	438.7	437.7	436.0	437.7
10°	438.5	438.9	439.3	438.9	438.5	439.1	439.1	438.3	437.7	436.0	437.9
12.5°	440.8	441.4	441.6	440.6	440.1	440.3	440.3	439.5	439.5	438.1	440.1
15°	446.1	446.5	445.9	444.7	444.9	445.5	444.1	442.0	441.6	441.0	442.6
17.5°	450.2	450.6	450.0	449.2	450.6	452.1	449.4	445.5	444.3	443.8	445.7
20°	454.7	455.4	454.5	455.6	458.4	460.1	456.8	451.5	449.0	448.4	450.6
22.5°	462.2	463.0	463.0	465.2	469.6	472.2	468.1	460.9	457.2	456.2	458.4
25°	473.9	474.5	475.1	479.6	486.6	490.3	483.7	473.9	468.7	467.1	468.3
27.5°	490.1	491.2	492.2	498.8	507.4	512.7	503.3	490.9	484.6	481.3	483.7
30°	509.5	510.9	513.4	520.8	532.9	538.9	526.7	511.7	504.5	501.0	504.3
32.5°	535.8	536.0	537.8	546.1	562.1	568.9	553.7	537.0	529.6	525.5	527.4
35°	567.0	567.3	564.4	572.8	590.1	597.7	579.8	562.9	556.8	555.5	560.3
37.5°	599.1	597.3	594.4	598.1	615.6	620.5	601.6	587.2	584.5	586.8	593.8
40°	622.0	618.9	613.1	615.8	633.5	639.2	619.1	605.5	604.7	610.2	618.7
42.5°	636.8	633.5	626.7	626.7	638.8	641.3	625.7	618.5	620.3	626.7	634.7
45°	644.0	642.1	638.2	636.2	642.9	644.0	632.0	629.2	632.7	635.7	641.9
47.5°	649.5	649.5	648.3	646.2	649.3	649.9	641.1	640.3	644.8	644.8	648.9
50°	659.4	660.4	662.1	661.7	664.9	667.0	660.4	659.2	661.0	655.1	657.1
52.5°	685.3	688.0	692.7	696.4	704.8	711.2	699.5	689.6	680.0	666.8	667.2
55°	731.8	733.0	742.3	753.2	767.4	780.3	756.3	725.6	704.6	689.2	689.4
57.5°	771.1	772.9	786.5	809.3	841.2	861.4	808.1	756.9	727.3	708.3	709.0
60°	737.1	734.7	760.4	799.5	857.3	883.0	804.4	734.5	691.9	668.4	670.1
62.5°	570.3	565.6	594.2	635.1	704.4	730.1	657.7	590.7	550.4	532.1	529.4
65°	347.2	342.9	363.4	388.5	435.4	451.7	418.5	383.0	347.8	336.7	333.6
67.5°	189.0	188.4	194.0	206.3	226.9	234.5	228.1	211.2	202.2	194.4	194.4
70°	149.9	148.7	147.7	147.9	149.7	150.8	151.0	150.1	151.2	151.4	150.6
72.5°	124.2	123.8	121.8	122.0	121.1	120.7	122.2	123.0	124.6	124.8	124.8
75°	90.1	89.1	90.1	90.3	89.5	89.5	90.5	90.3	91.1	91.5	89.3
77.5°	51.2	51.2	52.7	54.3	55.5	55.5	56.6	56.6	57.6	57.4	57.0
80°	28.2	28.2	29.0	30.0	31.3	32.5	33.5	33.7	34.3	34.1	33.5
82.5°	16.0	16.2	16.7	17.3	18.5	19.5	20.6	20.8	21.4	21.4	20.8
85°	7.6	7.4	7.6	8.0	8.6	9.5	10.5	11.1	11.5	11.5	11.1
87.5°	1.4	1.6	1.4	1.6	1.9	2.5	2.9	3.3	3.9	4.1	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)